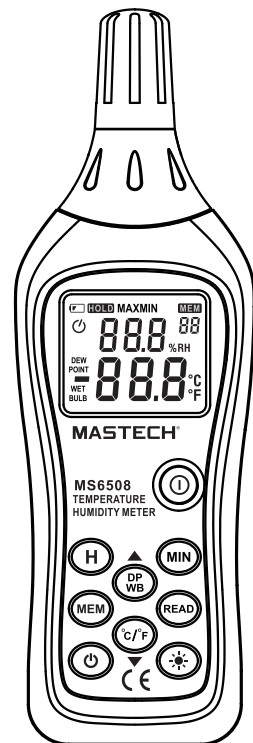
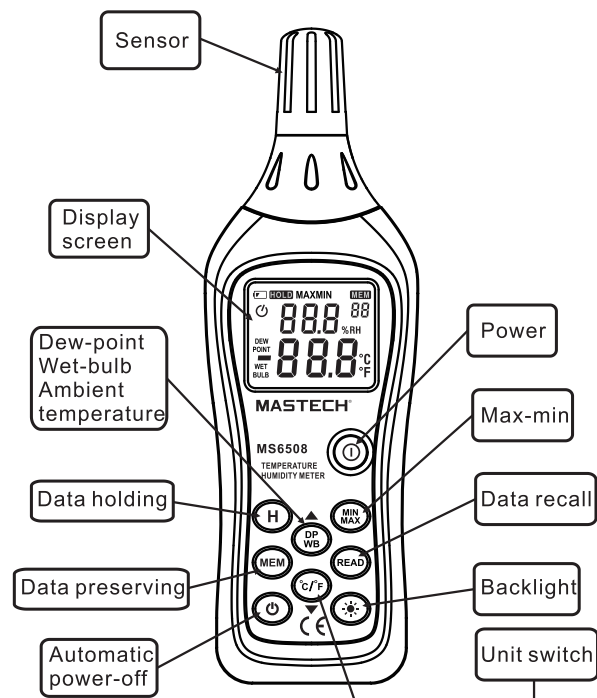


## Temperature Humidity Meter



## MASTECH®

### FRONT PANEL



01

## MASTECH®

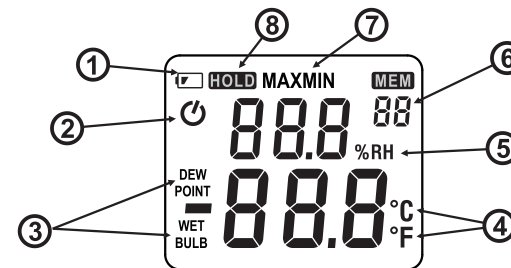
### Brief Introduction

This is a battery meter for measuring relative humidity and temperature. It can display three types of temperatures around the sensor's air via several convenient procedures: The ambient temperature, the dew-point temperature and the wet bulb temperature.

02

## MASTECH®

### Display Screen



NO.	explanation
1	Low battery
2	Automatic power-off mark
3	Display wet bulb temperature or dew-point temperature
4	Temperature measurement unit
5	Relative humidity measurement unit
6	MEM, RAM position number
7	Max-min
8	Hold function activated. The screen freezes the current reading

03

## MASTECH®

### Operation

#### Notice

When moving the meter from one atmosphere with extreme temperature or humidity to another, you need to wait for its stability. Press **ⓘ** to start the meter and read the measurements displayed by °C or °F. Press **Ⓢ/Ⓕ** to switch.

#### Dewpoint & Wetbulb

When starting the meter, the ambient temperature appears on the screen. To obtain DP, press a first time **Ⓢ/Ⓕ**, and press **Ⓢ/Ⓕ** for a second time, WB is switched. Press **Ⓢ/Ⓕ** a third time, to get the ambient temperature back. A corresponding signal will be shown on the screen indicating DP and WB.




#### Holding

Hold the button Press **Ⓜ** to freeze the current reading, and stop the meter from displaying the measurements. When the **HOLD** (HOLD) function is activated, the screen displays **HOLD**. To continue reading the measured value, press **HOLD** again.


04






## MASTECH®

### Max-min

Pressing , Max-min is set up, and max updates constantly, press  again, it is min. The two stations can be switched. If turn off, you need to press  for two seconds; a sound shows that this function has been turned off. Max means that the peak of temperature and humidity, while min is the lowest reading.

### Saving and transferring the measurements



This meter is able to save 99 groups reading for transferring. Press  to save the reading, and its location displays at the screen's upper right corner. After two seconds, the meter comes back to the normal state; If RAM is filled fully, the meter will cover the stored data from No.1 RAM and keep the reading.

When transferring the saved figure, press  to enter MEM check-up. At this time,  and  are used to change the page. To exit it, press  again. In the state of check-up, press  for five seconds and "00" is displayed at the screen's right upper corner, which means RAM is cleared.



05

## MASTECH®

### Automatic power-off


To prolong the life-span of the battery, this meter offers an automatic power-off function, and it closes without operation in 30 minutes. This function is approved. Just press  if closing it for longer measurement, and  disappears. Do it again, the automatic power-off is on.

### The backlight

Press  to start the backlight, press  again to close the backlight. If starting without automatic power-off, it will close after 15 seconds.

### Maintenance

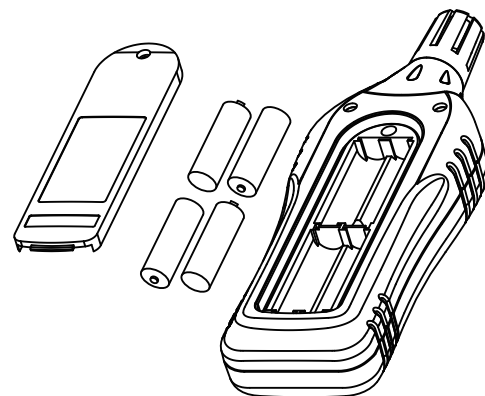
#### Replace the batteries

The meter is charged with four 1.5(AAA type) batteries. When  appears, the batteries should be replaced as soon as possible. Follow the instructions:

1. unscrew the top of the entrance.
2. Get the batteries out.
3. Install four unused AAA batteries in accordance with polarity described at the bottom.
4. reload the entrance and fasten the screw.

06

## MASTECH®



### Specification

#### Ambient temperature

Range: -20 to 60°C (-4 to 140°F)  
Precision:  $\pm 0.5^{\circ}\text{C}$  (0 to 45°C)  
 $\pm 1.0^{\circ}\text{C}$  (-20 to 0°C, 45 to 60°C)  
Resolution: 0.1°C/°F  
Update rate: 400ms  
sensor's type: High-Precision digital sensor (SHT75)

07

## MASTECH®

### RH

Range: 0 to 100%RH  
Accuracy :  $\pm 3.0\%$  RH (10% to 90%)  
 $\pm 4.0\%$  RH (0% to 10%, 90% to 100%)  
Resolution: 0.1%  
Update rate: 400ms  
Sensor's type: High-precision digital sensor

### WB

Range: -20 to 60°C (-4 to 140°F)  
Precision :  $\pm 1.0^{\circ}\text{C}$  (0 to 45°C)  
 $\pm 1.5^{\circ}\text{C}$  (-20 to 0°C, 45 to 60°C)  
Resolution: 0.1°C/°F  
Update rate: 400ms

### DP

Range: -50 to 60°C (-58 to 140°F)  
precision :  $\pm 1.0^{\circ}\text{C}$  (0 to 45°C)  
 $\pm 1.5^{\circ}\text{C}$  (-50 to 0°C, 45 to 60°C)  
Resolution: 0.1°C/°F  
Update rate: 400ms  
RAM: 99 data point  
Power: 4 AAA batteries  
Weight/size: 190g (batteries included)  
184mm×60mm×29mm

08



R-00-05-0652